

**TABLE 7: GRADES AND GRADE REQUIREMENTS FOR MAIZE
ACCORDING TO RSA GRADING REGULATIONS**

Description of deviation		Maximum percentage of deviation allowed					
		(m/m)					
		White maize			Yellow maize		
		GRADE					
		WM1	WM2	WM3	YM1	YM2	YM3
I	Defective maize kernels	7	13	30	*	*	*
	above 6.35 mm grading sieve	*	*	*	9	20	30
	below 6.35 mm grading sieve	*	*	*	4	10	30
II	Other colour maize kernels	3	6	10	2	5	5
III	Foreign matter (excluding glass, stone, coal, dung or metal)	0,3	0,5	0,75	0,3	0,5	0,75
IV	Total deviations in terms I, II and III collectively, provided such deviations are individually within the limits specified above	8	16	30	9	20	30
V	Pinked maize kernels	12	12	12	*	*	*

If the maize does not comply with the standards for Class White Maize or Class Yellow Maize, it shall be classified as Class Other Maize.

* Not specified

**TABLE 8: GRADES AND GRADE REQUIREMENTS FOR MAIZE
ACCORDING TO USA GRADING REGULATIONS**

		Maximum limits of -			
		Damaged kernels			Broken corn and foreign material (percent)
Grades	Minimum test weight per bushel (pounds)	Heat damaged kernels (percent)	Total (percent)		
U.S. No. 1	56.0	72.1 kg/hl	0.1	3.0	2.0
U.S. No. 2	54.0	69.5 kg/hl	0.2	5.0	3.0
U.S. No. 3	52.0	66.9 kg/hl	0.5	7.0	4.0
U.S. No. 4	49.0	63.1 kg/hl	1.0	10.0	5.0
U.S. No. 5	46.0	59.2 kg/hl	3.0	15.0	7.0
U.S. Sample Grade	< 46.0	<59.2 kg/hl	>3.0	>15.0	>7.0
U.S. Mix Grade	When % other colour in yellow maize samples >5 % and white maize samples >2 %				

U.S. Sample grade is corn that:

- Does not meet the requirements for the grades U.S. Nos. 1, 2, 3, 4 or 5; or
- Contains stones which have an aggregate weight in excess of 0.1 percent of the sample weight, 2 or more pieces of glass, 3 or more crotalaria seeds (*Crotalaria* spp.), 2 or more castor beans (*Ricinus communis* L.), 4 or more particles of an unknown foreign substance(s) or a commonly recognized harmful or toxic substance(s), 8 or more cockleburrs (*Xanthium* spp.) or similar seeds singly or in combination, or animal filth in excess of 0.20 percent in 1,000 grams; or
- Has a musty, sour, or commercially objectionable foreign odor; or
- Is heating or otherwise of distinctly low quality.

Source: Official United States Standard of Grain (excluding metric conversions).